AUTODOC CLUB

How to change rear ABS sensor on **BMW E39 touring** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
BMW 5 Touring (E39) 520i 2.0, BMW 5 Touring (E39) 523i 2.5, BMW 5 Touring (E39) 540i 4.4, BMW 5 Touring (E39) 528i 2.8, BMW 5 Touring (E39) 530d 3.0, BMW 5 Touring (E39) 525tds 2.5, BMW 5 Touring (E39) 520d 2.0, BMW 5 Touring (E39) 525d 2.5, BMW 5 Touring (E39) 520i 2.2, BMW 5 Touring (E39) 525i 2.5, BMW 5 Touring (E39) 530i 3.0

The steps may slightly vary depending on the car design.

REPLACEMENT: ABS SENSOR – BMW E39 TOURING. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Electronic spray
- Copper grease
- Multipurpose grease
- Torque wrench
- Drive socket # 10
- Wheel impact socket #17
- Ratchet wrench
- Clip removal tool
- Water pump pliers
- Crow bar
- Wheel chock

BUY TOOLS

Replacement: ABS sensor – BMW E39 touring. AUTODOC experts recommend:

- All work should be done with the engine stopped.

REPLACEMENT: ABS SENSOR – BMW E39 TOURING. TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the rear of the car and secure on supports.



4 Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. BMW E39 touring

5 Remove the wheel.



6 Unscrew and remove the wheel arch cover fasteners. Use a drive socket #10. Use a ratchet wrench. Use a clip removal tool.



7 Remove the wheel arch cover.



8 Detach the ABS sensor connector.



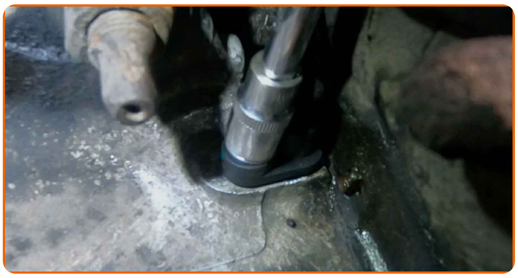
9 Disconnect the ABS sensor wiring.



10 Clean the ABS sensor fastener. Use a wire brush. Use WD-40 spray.



11 Unscrew the ABS sensor fastener. Use a drive socket #10. Use a ratchet wrench.



12 Disconnect the ABS sensor. Use water pump pliers.



13 Clean the ABS sensor mounting seat. Use a wire brush. Use WD-40 spray.



14 Treat the ABS sensor fastener. Use a multipurpose grease. Use a crowbar.



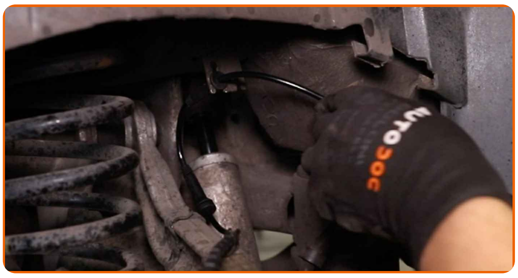
15 Connect the ABS sensor.



16 Tighten the fastener connecting the ABS sensor to the stub axle. Use a drive socket #10. Use a torque wrench. Tighten it to 7 Nm torque.



17 Connect the ABS sensor wiring.



18 Treat the ABS sensor connector. Use dielectric grease.



19 Attach the ABS sensor connector.



20 Install the wheel arch cover to its mounting seat.



21 Install and tighten the wheel arch cover fasteners. Use a drive socket #10. Use a ratchet wrench.



22 Clean the wheel rim mounting seat. Use a wire brush.



23 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



24 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: ABS sensor – BMW E39 touring. After applying the spray, wait a few minutes.

25 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. BMW E39 touring

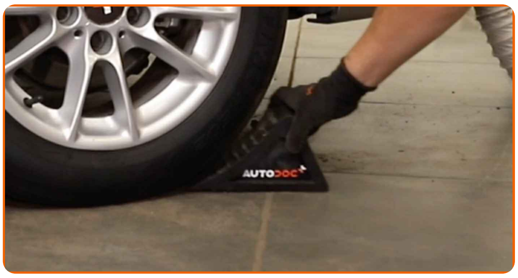
26 Screw in the wheel bolts. Use wheel impact socket #17.



27 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.



28 Remove the jacks and chocks.

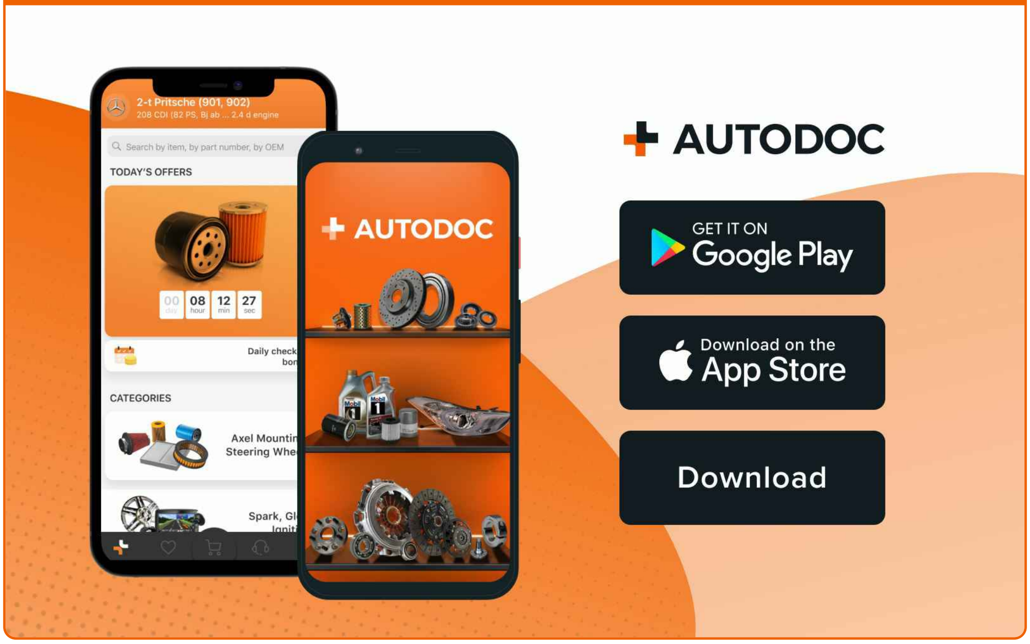


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ABS SENSOR: A WIDE SELECTION

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